

EXHIBIT III - ELECTRO-STATIC DISCHARGE (ESD) REQUIREMENTS

Wherever or whenever computer systems or individual components are handled, tested, assembled, inspected, shipped and/or repaired, the following ESD requirements must be in place:

- 1.0 Leads to the common solid earth ground shall be flexible-stranded insulated wire. This connection shall be visually and electrically verifiable.
- 2.0 There must be static-dissipative work surfaces connected to ground.
- 3.0 Wrist straps shall be provided that have a series resistance to ground no less than 250 kilohms and not more than 2 megohms.
- 4.0 Work and/or test areas must be free of static generating materials or materials that do not dissipate static charges.
- 5.0 All static sensitive materials shall be protected from ESD during all handling, transportation, and storage.
- 6.0 A static field meter that reads electrostatic charges over a surface area (without being in contact with surface area) shall be utilized in the evaluation of working surfaces and materials used at static-free work areas.
- 7.0 JPL Q/A Department will perform a site visit to verify compliance of said requirements when deemed necessary by JPL Procurement representatives, and in accordance with selected sections of the JPL Standard for Electrostatic Discharge (ESD) Control, dated March 10, 2003 and enclosed herein.
- 8.0 The links below display JPL's full policy on ESD requirements.

JPL Standard for Electrostatic Discharge (ESD) Control Link for D-1348, Rev. F:

http://eis.jpl.nasa.gov/quality/qadc/templates/D-1348_F.pdf

JPL Quality Assurance Practice, QAP-61.12, Rev. 0, Packing and Unpacking ESD Sensitive Hardware

http://eis.jpl.nasa.gov/quality/qadc/templates/QAP61_12_rev0.pdf